# Department of Defense Activity Address Directory (DoDAAD) Reengineering Project
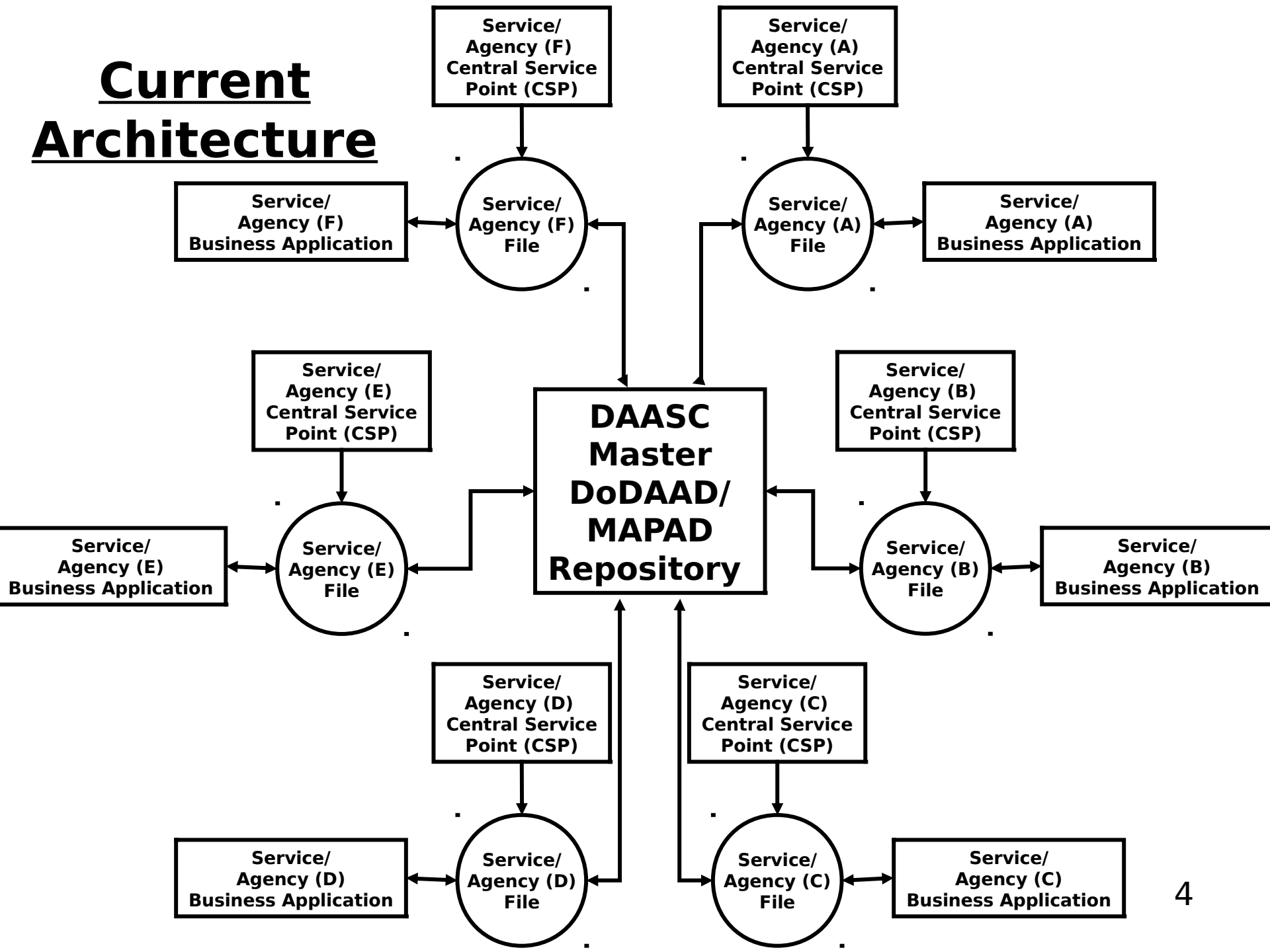
# DoDAAD Reengineering

**Outline:**
- **Background**
- **Graphic depicting current architecture**
- **Current architectural functional/technical deficiencies**
- **New data requirements examples**
- **Reengineered "to-be" architecture graphic**
- **What's been done to date**
- **Next steps**
- **End state objective**

# Background

- **DODAAD is a critical reference repository that supports logistics procurement and financial business processes:**
    - ❖ **Applications access DoDAAD data thousands of times daily**
    - ❖ **DoDAACs identify authorized users, ship to locations, and bill payers; control business rule application; key to tracking and summaries**
- **Its basic functional and technical architecture obsolete**
- **Has come under internal and external criticism**
- **Business reengineering/modernization efforts hampered**
- **GAO has been told DoDAAD will be reengineered**

# Current Architecture



**Service/Agency (F) Central Service Point (CSP)**

**Service/Agency (A) Central Service Point (CSP)**

**Service/Agency (F) Business Application**

**Service/Agency (F) File**

**Service/Agency (A) File**

**Service/Agency (A) Business Application**

**Service/Agency (E) Central Service Point (CSP)**

**DAASC Master DoDAAD/ MAPAD Repository**

**Service/Agency (B) Central Service Point (CSP)**

**Service/Agency (E) Business Application**

**Service/Agency (E) File**

**Service/Agency (B) File**

**Service/Agency (B) Business Application**

**Service/Agency (D) Central Service Point (CSP)**

**Service/Agency (C) Central Service Point (CSP)**

**Service/Agency (D) Business Application**

**Service/Agency (D) File**

**Service/Agency (C) File**

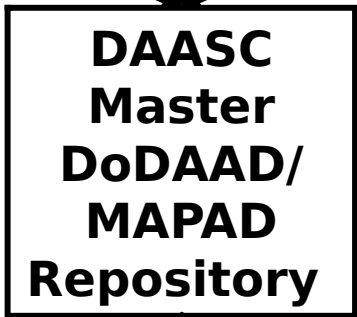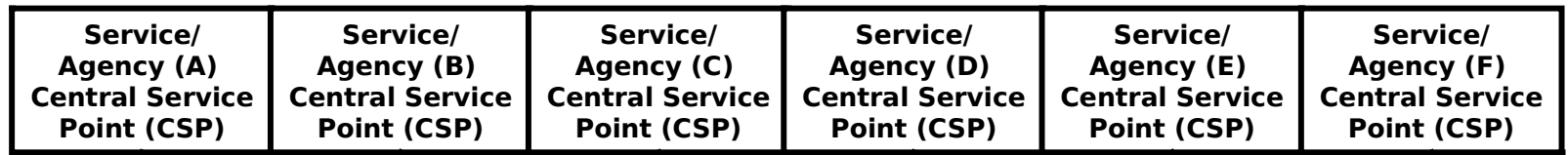**Service/Agency (C) Business Application**

4

# Current DoDAAD Architecture Deficiencies

- **Discrepancies between DAASC authoritative source file and Component copies cause delay and/or erroneous processing of operational logistics transactions**
- **Reconciliation between DAASC authoritative source file and Component files are resource intensive and ineffective**
- **Authoritative source file does not contain all data required to support current processes:**
  - ❖ **Components have appended new data to locally maintained files**
  - ❖ **Lacks data to support new initiatives e.g., OMB IntraGov/transactions**
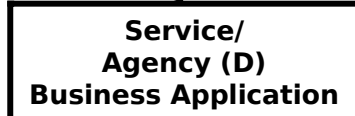- **Technical architecture does not support:**
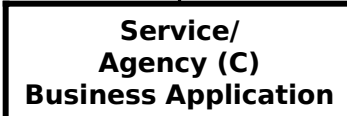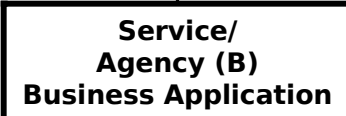
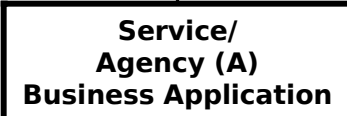# New Data Requirement Exam

- **Major Commands/Bureaus**

- **Authority Code**

- **Treasury Index code**

- **Agency Location Code**

- **Container Consolidation Points (CCP)**

- **Break Bulk Point code**

- **Aerial Port of Debarkation (APOD)**

- **Water Port of Debarkation**

**To Be Architecture**

Service/Agency (A) Central Service Point (CSP) | Service/Agency (B) Central Service Point (CSP) | Service/Agency (C) Central Service Point (CSP) | Service/Agency (D) Central Service Point (CSP) | Service/Agency (E) Central Service Point (CSP) | Service/Agency (F) Central Service Point (CSP)

DAASC Master DoDAAD/ MAPAD Repository

**Constant update via replication**

**Direct access**

Collocated database | Collocated database | Collocated database

Service/Agency (A) Business Application | Service/Agency (B) Business Application | Service/Agency (C) Business Application | Service/Agency (D) Business Application

**Read only access below dotted line**

7

# What's Been Done

- **Held DoDAAD Process Review Committee (PRC) meetings to begin determining Component data requirements**
- **POM'd for reengineering effort within IDE POM**
- **Attempted to secure funding for FY02 start (unsuccessful), funds available for FY03 start**
- **Multiple meetings with DUSD(L&MR) staff, USD(C), and OMB on initial Intra-Governmental Online Registry (IGOR) data reqts**
- **Held joint DoDAAD/Financial PRC meeting on OMB near term requirements**
- **Developed approach for satisfying OMB IGOR requirements**
- **Provided DAASC with requirements for IGOR**
- **Drafted DoDAAD Reengineering Concept of Operations**
- **DLMSO/DAASC meetings to refine and reach Concept of**

# What's Next

- **Validate/finalize Component/OMB data requirements**
- **Identify data element validation criteria**
- **Identify standard WEB queries/reports**
- **Identify applications requiring direct access and those requiring collocated files**
- **Select and acquire required COTS software**
- **Develop database design/load test data**
- **Initial load of database (this requires feeds from current Component local files)**

# **What's Next (Continued)**

- **Develop and approve test plan and identify test partners (BSM and DSS recommended)**
- **Develop WEB database update and query**
- **Test prototype**
- **Develop user training program**
- **Expand prototype to production**
- **Revise DoD policy – mandate DAASC DoDAAD as sole**
   **authoritative source**
- **Revise DLMS manuals**

# End State Objective

- **As Requested by DUSD(LM&R) Reengineer DoDAAD improving its functionality, accuracy, and efficiency**

- **Develop and prove out a repeatable process that can be applied to the other key DoD reference repositories supporting logistics business functions**